

(54) Title of the invention : LAND SURVEY AND REGISTRATION SYSTEM WITH VIDEO PROOFING BASED IOT HYPER-LEDGER CLOUD MODULE

<p>(51) International classification :G06Q0030060000, H04N0021239000, H04N0005265000, H04N0021234000, G06Q0050160000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Mr. R. Partheepan Address of Applicant :Assistant professor, Department of Electronics and Communication Engineering, J.N.N Institute of Engineering, No:90, Usha Garden, Chennai-Periyapalayam Highway, Kannigaipair, Tamil Nadu - 601102. -----</p> <p>2)Dr. Ramesh Kumar Bhukya</p> <p>3)Dr.V.Janakiraman</p> <p>4)Dr. Parthiban K G</p> <p>5)Mr. P.G. Seetharam</p> <p>6)Mr. Anil Tellur</p> <p>7)Ms. C. Shalini</p> <p>8)Ms. B. S. Priyangha</p> <p>9)Ms. R. Devika</p> <p>10)Dr. Jose Anand Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. R. Partheepan Address of Applicant :Assistant professor, Department of Electronics and Communication Engineering, J.N.N Institute of Engineering, No:90, Usha Garden, Chennai-Periyapalayam Highway, Kannigaipair, Tamil Nadu - 601102. -----</p> <p>2)Dr. Ramesh Kumar Bhukya Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Indian Institute of Infomation Technology Allahabad, Deoghat, Jhalwa, Prayagraj-211015, Uttar Pradesh. -----</p> <p>3)Dr.V.Janakiraman Address of Applicant :Professor & Vice Principal, Department of Electronics and Communication Engineering, Dhanalakshmi Srinivasan College of Engineering and Technology, East Coast Road, Mamallapuram, Chengalpattu District-603104. -----</p> <p>4)Dr. Parthiban K G Address of Applicant :Principal & Professor, Department of Electronics and Communication Engineering, Dhaanish Ahmed Institute of Technology, Dhaanish Avenue, Pichanur Post, KG Chavadi, Coimbatore, Tamilnadu-641105. -----</p> <p>5)Mr. P.G. Seetharam Address of Applicant :Assistant Professor, Department of Civil Engineering, J.N.N Institute of Engineering, No:90, Usha Garden, Chennai-Periyapalayam Highway, Kannigaipair, Tamil Nadu - 601102. -----</p> <p>6)Mr. Anil Tellur Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, G Narayanamma Institute of Technology and Science (For Women), Shaikpet, Hyderabad - 500104. -----</p> <p>7)Ms. C. Shalini Address of Applicant :Assistant Professor, Department of Electronics & Communication Engineering, TJS Engineering College, Peruvoyal, Kavariapettai-601206. -----</p> <p>8)Ms. B. S. Priyangha Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Velammal Institute Of Technology, Kolkata High Way, Panjetty, Tamilnadu-601204. -----</p> <p>9)Ms. R. Devika Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Velammal Institute Of Technology, Kolkata High Way, Panjetty, Tamilnadu-601204. -----</p> <p>10)Dr. Jose Anand Address of Applicant :Associate Professor, Department of Electronics and Communication Engineering, KCG College of Technology, KCG Nagar, Karapakkam, Chennai, Tamil Nadu, India 600097. -----</p>
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(57) Abstract :

This invention employs a Blockchain system for storing video and location data collected by mobile cameras pertaining to land sales and registration. This invention consists of a frontend mobile application integrated with the mobile camera. The video of boundaries of the land to be sold is taken by both the seller and the buyer of the land at the same time with both their voices agreeing on the authenticity of the land boundary markers and other details of the land. The location of the land is taken in from GPS data along with the time and date. Another video of the actual registration of the land, that covers the documents involved, the registration of the new owner in the corresponding government office and the agreed price along with the transaction details are covered in that video. Both the land boundary video and the transaction video are sent to the server from the mobile via Internet. The received videos are divided into digital data chunks and stored into hyper-ledger blocks (Blockchain blocks). This makes all the generated video data tamper proof.

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